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The incredible lunar TEMPLE: European space bosses reveal plan for 50m high 'dome of contemplation'

- Perpetually sunlit peak close to the Moon's south pole
- Would be built on the sunlit rim of Shackleton Crater, near proposed lunar base
- 50 m-high domed structure Temple will be 'symbol of unity for humankind'

By MARK PRIGG FOR DAILYMAIL.COM

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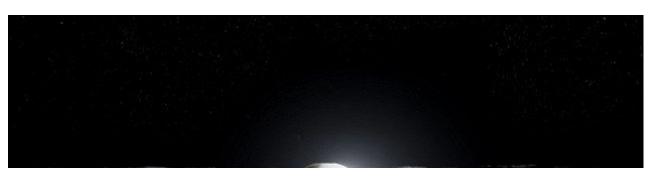
It could be a temple like no other - and with a view that really is out of this world.

The European Space Agency has revealed plans for a lunar temple to be built alongside mankind's first outpost on the moon.

The 50m high dome, close to a planned moonbase near to the moon's south pole, would give the first settlers 'a place of contemplation'.

Artist Jorge Mañes Rubio, part of ESA's future-oriented Advanced Concepts Team (ACT), designed the temple to be built alongside ESA's planned moonbase.

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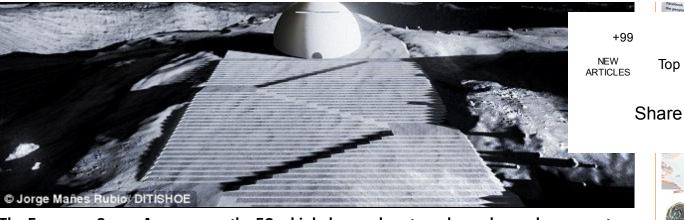












The European Space Agency says the 50m high dome, close to a planned moonbase near to the moon's south pole, would give the first settlers 'a place of contemplation'.

'I've been having all sorts of discussions with my ACT colleagues, including speculating on the likely needs of future lunar settlers,' said Jorge.

'What kind of social interactions will they share, what cultural activities and rituals will they have, and what sort of art and artefacts will they be producing?

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'Humans have been creating art for at least 30 000 years, so I have no doubt this will continue in space and on the Moon.'

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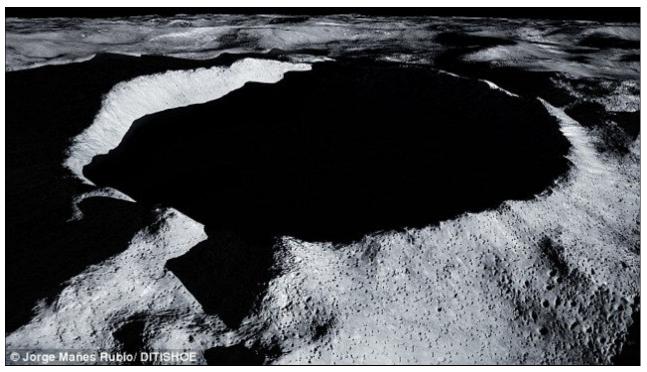
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The temple would be built on the sunlit rim of Shackleton Crater, which is bathed much of the time in sunlight while overlooking a 4.2 km-deep interior mired in perpetual shadow.

The lunar poles have previously been identified as promising locations for future settlement because craters kept shaded by the lowness of the Sun in the local sky are thought to serve as 'cold traps' to preserve water ice, potentially a vital source of water, air or rocket fuel.



The 50 m-high domed structure would be built using 3D printing of lunar soil.



The temple would be built on the sunlit rim of Shackleton Crater, which is bathed much of the time in sunlight while overlooking a 4.2 km-deep interior mired in perpetual shadow.

The 50 m-high domed structure would be built using 3D printing of lunar soil.

'The result might resemble 'abode' architecture, an ancient method of building that is still made use to this day,' adds Jorge.

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Jorge selected Shackleton over nearby Malapert Crater because Earth is perpetually visible from Malapert, while from Shackleton it will only be seen for two weeks at a time, inspiring more independent thinking.

'This was a big source of inspiration for me, along with 18th century utopian architects such as Étienne-Louis de Boullée and Claude Nicolas Ledoux, who designed massive structures too large to be feasibly built on Earth - but practical in the Moon's one-sixth gravity.'

The 'Moon Temple' is intended as a symbol of unity for humankind, reflecting the pull that our natural satellite has always had on the human imagination, ESA says.

EUROPE'S MOON BASE PLANS

The European Space Agency's plans to build a village on the moon are part of a much wider scheme to explore the far-flung regions of our solar system.

Speaking at a recent conference, Esa boss Jan Woerner said: 'I think we should go first to the moon and then further on.'

He added that Mars should not be our ultimate goal and said he is 'quite sure humans will go further.'



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The European Space Agency's plans to build a village on the moon (concept pictured) are part of a much wider scheme to explore the far-flung regions of our solar system. Speaking at a recent conference, Esa boss Jan Woerner said: 'I think we should go first to the moon and then further on'

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'Lunar settlement represents a perfect chance for a fresh start, a place where there are no social conventions, no nations and no religion, somewhere where these concepts will need to be rethought from scratch.



The lunar poles have previously been identified as promising locations for future settlement because craters kept shaded by the lowness of the Sun in the local sky are thought to serve as 'cold traps' to preserve water ice, potentially a vital source of water, air or rocket fuel.

▶ 'I won't te informatic Kloss add reports sh TV appear show wan

One opening in the dome will look Earthwards, while another at the top will peer out into deep space.

'Humans have brought flags to the Moon, but they've been bleached white by sunlight since then – almost as if the Moon is protecting itself from such terrestrial concepts.

So this Temple is intended as a mythic and universal structure that can hopefully bring people together in this new environment in novel ways.'

Jorge selected Shackleton over nearby Malapert Crater because Earth is perpetually visible from Malapert, while from Shackleton it will only be seen for two weeks at a time, inspiring more independent thinking.

One opening in the dome will look Earthwards, while another at the top will peer out into deep space.

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Building on the moon: 3D-Printing a lunar base with the ESA







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Kracker Honkey, Little Rock, United States, 4 days ago

After thinking about this article, it became clear what it is all about. Simply put, it is about promotional advertising. The Trump Administration has pledged to pump money into NASA, and that will float a lot of boats. This article looks like a high school science contest entry, and the ESA picked it to get people excited about space travel so they can jump on the money train. It will never happen because they can't go to the moon, or Mars for that matter. Here we are 40 years after the so-called moon landings and we are still using giant bombs to launch into space. Why? Because it is cheap compared to the billions to be made from launching things into the Thermosphere where temps are higher than the melting point of steel. How many satellites are up there now? Over 30,000? Lol....yeah right.

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Yaz, Somewhere in the, United Kingdom, 3 days ago

With all due respect Kracker, you don't appear to understand temperature, which is why you believe the temperature of the thermosphere would melt steel. It wouldn't my friend, it wouldn't even melt plastic. And before you challenge my statement, please consider the following first: Temperatures in a sauna typically exceeds 100 degrees C, i.e. sauna temperatures are above the boiling point water, and yet the people inside those saunas are not burned by temperatures exceeding 100 degrees C. Why do you think that is? When you understand why, then you should understand why the temperature of the thermosphere is not a problem for satellites or any other unmanned or manned craft.

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Popeye Thesailorman, philadelphia, United States, 4 days ago

They'll never build it because humans have never been to the moon. NASA's new 'orion' project even confirms it, if you look it up. On their video of the project they say 'Once humans will be able to conquer the Van Allen NUCLEAR RADIATION belts, humankind will be able to fly craft to the moon & even beyond the moon'. I watched the moon "landings", all of them and it seemed convincing at the time but we have never flown beyond an Earthly 300-mile orbit since...WHY?. It was all B.\$. \$HOVED down our throats. The best documentary on the subject was written by

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scientific investigative journalist James M. Collier (in 1997)...who interviewed the DIRECTOR of the Apollo missions who told Mr. Collier, ON CAMERA - that he never 'trained the astronauts to enter or exit lander' (the L.E.M.). Look up online the work of this accomplished author in the video "Was It Only Moon'. Watch it in it's entirety it is completely shocking in it's immensity, staggering in it's facts. NEW Top **ARTICLES** 7 Click to rate Share Titanium Sky, Purgatory aka East Midlands, United Kingdom, 3 days ago Adriana Li Facts? No, conspiracy theories that have been debunked a million times my friend. about run miles in ju in Instagra 5 0 Click to rate Shared her Yaz, Somewhere in the, United Kingdom, 3 days ago **EXCLUS Dishevele** Think for yourself Popeye instead of watching YouTube conspiracy videos. And DON'T put made Hoppy ste up comments in quotes, because that's dishonest. Orion is a NEW spacecraft with MODERN hides beh electronics. VA belt radiation can crash/damage modern electronics, so modern electronics must after Beth be radiation hardened and/or properly shielded. NASA said they wouldn't risk sending people has him a through the VA belts inside Orion until they tested the electronics in Orion FIRST by sending it stalking a restraining through the belts. They did that in Dec 2014 by sending Orion through the area of the VA belts with the highest radiation. Orion performed perfectly, proving it is safe for astronauts to be inside Dakota J as it went through the belts (i.e. the electronics will not fail). Regarding "Was It Only A Paper an elegan Moon", James spoke to the curator of a museum, NOT to the director of the Apollo missions, fitted scar where ALL claims made by James have been debunked years ago. But of course, there will she prome always be a gullible audience who fall for such claims :-) Shades Da Jimmy Fa **Show** Click to rate **SPOILEF** stuartggray, Dunfermline, United Kingdom, 4 days ago least one Anatomy: Trust the EU to come with such a waste of resources. return as regular in Departure 5 11 Click to rate main chara North's a Denis Barre, Lisieux, France, 4 days ago designer! Kardashia Sorry to burst your bubble, but ESA is quite separate from the EU. West unve kids' line a toddler lei 3 3 Click to rate hand nahim from luton, luton, United Kingdom, 4 days ago religion kills more people than cats 7 Click to rate Whatever works, Fairfax, United States, 4 days ago You're right. I don't do too many religions want to kill cats. In fact I don't know any. Perhaps you could elaborate . Then again probably not. 1 Click to rate

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 Collections runway in a
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 Barf! Dakota Johnson
 gets the giggles as she
 plays Fifty Shades
 Darker edition of Mad
 Lib Theater with Jimmy
 Fallon
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 Dunham debuts new
 hairdo with blonde tips
 with costars ahead of
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 The 30-year-old debuted
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 Escaping Polygamy
 star Ariel, 19, reveals
 she's with child... 11
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 Utah church
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